

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/810,332
				Filing Date	March 25, 2004
				First Named Inventor	Mikhail Belov et al.
				Art Unit	2881
Examiner Name	Unassigned				
Sheet	1	of	2	Attorney Docket Number	29191-712.201

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
len		US-4,977,320	12-11-1990	Chowdhury et al.	
		US-5,045,694	09-03-1991	Beavis et al.	
		US-5,245,186	09-14-1993	Chait et al.	
		US-5,396,065	03-07-1995	Myerholtz et al.	
		US-5,545,304	08-13-1996	Smith et al.	
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		US-5,834,771	11-10-1998	Yoon et al.	
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		US-5,939,612	08-17-1999	Wylie et al.	
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		US-6,091,502	07-18-2000	Weigl et al.	
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		US-6,175,112-B1	01-16-2001	Karger et al.	
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		US-6,614,020-B2	09-02-2003	Cornish	
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		US-2003/0034449-A1	02-20-2003	Miller et al.	
		US-2003/0052269-A1	03-20-2003	Apffel, Jr. et al.	
		US-2003/0071206-A1	04-17-2003	Belov et al.	
		US-2003/0146377-A1	08-07-2003	Miller et al.	
len		US-2003/0146392-A1	08-07-2003	Kimmel et al.	
Examiner Signature	mml		Date Considered	04-28-05	

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NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
len		BROCK, Ansgar, et al., "Hadamard transform time-of-flight mass spectrometry". Anal. Chem. (1998) 70:3735-3741.				
		COVEY, Thomas R., et al., "Structural characterization of protein tryptic peptides liquid via chromatography/mass spectrometry and collision-induced dissociation of their doubly charged molecular ions". Anal. Chem. (1991), 63:1193-1200.				
		FERNANDEZ, Facundo M., et al., "Hadamard transform time-of-flight mass spectrometry: a high-speed detector for capillary-format separations". Analytical Chemistry (April 1, 2002), 74(7)1611-1617.				
		GEROMANOS, S. et al., "Tuning of an electrospray ionization source for maximum peptide-ion transmission into a mass spectrometer", Analytical Chemistry (2000), 72(4), 777-790.				
		MLYNSKI, V. et al., "Matrix-assisted laser/desorption ionization time-of-flight mass spectrometer with orthogonal acceleration geometry: preliminary results". Rapid Communications in Mass Spectrometry (1996) 10:1524-1530.				
		OTOF Description, Pacific Northwest Laboratory, printed from Internet 01/01/03 <<http://www.emsl.pnl.gov:2080/docs/msd/ficr/OTOF_Description.html>>.				
		SCHMITT-KOPPLIN, Philippe et al., "Capillary electrophoresis - mass spectrometry: 15 years of developments and applications", Electrophoresis (2003), 3837-3867.				
		SELBY, David S., et al., "Demonstrating the effect of the 'polarised grid geometry' for orthogonal acceleration time-of-flight mass spectrometers". Rapid Communications in Mass Spectrometry (2000) 14:616-617.				
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		VESTAL, M., et al., "Resolution and mass accuracy in matrix-assisted laser desorption ionization-time-of-flight". J. Am. Soc. Mass Spectrom (1998), 9:892-911.				
		WILLIAMS, Jon D., et al., "Using accurate mass electrospray ionization-time-of-flight mass spectrometry with in-source collision-induced dissociation to sequence peptide mixtures". Journal of Chromatography A (2003) 1020:11-26.				
len		ZARE, Richard N., et al., "Hadamard transform time-of-flight mass spectrometry: more signal, more of the time". Stanford University, Department of Chemistry, 28 pages.				
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				First Named Inventor	Mikhail BELOV
				Art Unit	2881
				Examiner Name	Not yet assigned
				Attorney Docket Number	29191.712.201
Sheet	1	of	2		

U.S. PATENT DOCUMENTS

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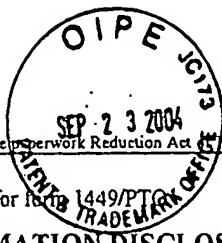
FOREIGN PATENT DOCUMENTS

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				Application Number	10/810,332
				Filing Date	03/25/2004
				First Named Inventor	Mikhail BELOV
				Art Unit	2881
				Examiner Name	Not yet assigned
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NON PATENT LITERATURE DOCUMENTS			
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len		BELOV, Mikahil et al., "Multiplexed orthogonal time of flight mass spectrometry (MOTOF-MS)". American Society of Mass Spectrometry Annual Meeting, (2004), Nashville, TN.	
		LEE, Edgar D. et al., "On-line capillary zone electrophoresis-ion spray tandem mass spectrometry for the determination of dynorphins". <i>Journal of Chromatography</i> (1988), 458:313-321.	
		OLIVARES, Jose A. et al., "On-line mass spectrometric detection for capillary zone electrophoresis". <i>Anal. Chem.</i> (1987), 59:1230-1232.	
len		SMITH, Richard D. et al., "Capillary zone electrophoresis-mass spectrometry using an electrospray ionization interface". <i>Anal. Chem.</i> (1988), 60:436-441.	

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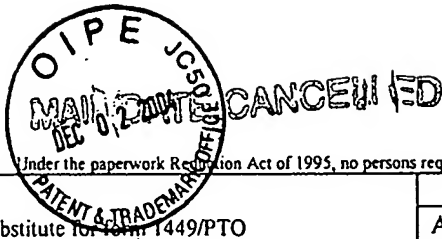
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**INFORMATION DISCLOSURE
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				Art Unit	2881
Examiner Name	Not yet assigned				
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len		Stults et al., US Patent App. No. 10/681,742 entitled "Methods and apparatus for self-optimization of electrospray ionization devices", filed 10/07/2003 (Docket No. 29191.704.201).	
len		Foley et al., US Patent App. No. 10/703,751 entitled "Field termination grid in the ion extraction region of a multiplexed orthogonal time-of-flight mass", filed 11/06/2003 (Docket No. 29191.716.201).	

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Art Unit	2881
Examiner Name	Lee
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Sheet	1	of	1	Attorney Docket Number	29191.712.201
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